

Patent
09/493,917

REMARKS

Claims 1-5, 8-14, 17-18 and 20-21 are pending in the application. Claims 6-7, 15-16 and 19 have been cancelled. Claims 1 and 10 are independent. Claims 1, 4, 10 and 13 have been amended herein. The attached page is captioned "Version with markings to show changes made".

Claims 1-21 were rejected under 35 USC 103(a) as being unpatentable over US Patent 6,323,915 (Marflak et al.), US Patent 5,537,149 (Teraoka et al.) and Applicants admitted prior art (figures 1 and 2).

This rejection is respectfully traversed and reconsideration is requested.

The Action again takes the position that Marflak teaches the steps of (1) receiving an image having a first aspect ratio and a plurality of sides and (2) displaying the image on a display having a second aspect ratio. The Action further states that "Marflak discloses a system which utilizes an edge/border modification signal in order to control the display system to display the received video signal into a modified aspect ratio".

The Action then relies upon applicants' Figures 1 and 2 (admitted prior art) as teaching "the use of sensors on a display to control the displayed picture...and assist in the adjustment of the displayed picture".

Finally, the Action relies upon Teraoka as describing a system "which expands or compresses the video signal, where the video signal size is adjusted to maintain the distance from the original vertical and horizontal center".

The Action concludes that it would be "obvious" to modify Marflak:

- 1) with conventional sensors ...to properly align/display the received signal;
and
- 2) while maintaining the center position of the original image as disclosed by Teraoka.

Patent
09/493,917

Applicants respectfully submit that neither of the cited references, Marflak or Teraoka (nor Applicants' figures 1 or 2), teach or suggest a method for performing autoconvergence in which a received image is moved so that each sensor can detect the corresponding side of the image (this element is recited in each of independent Claims 1, 10 and 19).

In response to Applicants previous argument on this point, the Examiner responded that "the applicant discloses 'the movement of the image can be in the form of shifting the entire image towards the sensor, or alternatively, stretching the image so that the edges of the image can be detected by the sensors' ...Marflak ...utilizes an edge/border modification signal in order to control the display system...and also discloses...that a 16:8 aspect ratio picture was vertically stretched to cover the black bands at the top and bottom....", and, with regard to Teraoka, that "Teraoka also discloses stretching/compressing the image non-linearly to maintain the center portion of the original signal".

While Applicants maintain and respectfully request reconsideration once again of their previous arguments that Marflak, Teraoka and figures 1 and 2, plainly fail to suggest the claimed combination - - as Marflak simply uses a "border modification signal" to modify and display a "second image", Marflak would have no reason to turn to the teachings of Figures 1 and 2 *to implement sensors* and, then, *to move a received image* so that the sensors could detect the sides of the image (which again, is not taught or suggested in any of the cited references) - - in order to eliminate any outstanding issues and to advance the application, each of the remaining independent claims, Claims 1 and 10, has been amended here to recite "moving the image 'as a single *entire image*' so that each sensor can detect the side of the image". This is believed to clearly render each of the independent claims patentable over the teachings of Marflak, Teraoka and Figures 1 and 2, taken separately or in any permissible combination.

Patent
09/493,917

Accordingly, it is respectfully submitted that in regard to the above amendment and accompanying remarks, that each of amended independent Claims 1 and 10 and Claims 2-5, 8-9, 11-14, 17-18 and 20-21 dependent thereon, are allowable over the art of record. An early indication thereof is respectfully requested.

Should the Examiner be of the view that an interview would expedite consideration of this Amendment After Final Rejection or of the application at large, request is made that the Examiner telephone the Applicants' undersigned attorney at (908) 518-7700 in order that any outstanding issues be resolved.

Respectfully submitted,

1/21/03
Date

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Certificate of Facsimile Transmission

I hereby certify that this document and any document referenced herein has been transmitted via facsimile to the US Patent and Trademark Office at (703) 872-9315 on January 21, 2003.

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Patent
09/493,917

Version with markings to show changes made

In The Claims

Claims 6-7, 15-16 and 19 have been cancelled.

Claims 1, 4, 10 and 13 have been amended as follows:

1. (Amended) A method for performing autoconvergence, comprising:
receiving an image having a first aspect ratio and a plurality of sides;
displaying said image on a display having a second aspect ratio and at least one
sensor corresponding to each side of said image;
moving said image as a single entire image so that each sensor can detect said
corresponding side of said image.

4. (Amended) The method of claim 1, wherein said moving comprises:
shifting said single entire image from an initial position towards a first sensor
until said first sensor can detect a first side of said image;
shifting said single entire image towards a second sensor until said second
sensor can detect a second side of said image; and
shifting said single entire image to said initial position.

Patent
09/493,917

10. (Amended) A machine-readable medium whose contents cause a computer system to perform autoconvergence by performing the steps of:
receiving an image having a first aspect ratio and a plurality of sides;
displaying said image on a display having a second aspect ratio and at least one sensor corresponding to each side of said image;
moving said image, as a single entire image, so that each sensor can detect said corresponding side of said image.

13. (Amended) The machine-readable medium of claim 10, wherein said moving comprises:
shifting said single entire image from an initial position towards a first sensor until said first sensor can detect a first side of said image;
shifting said single entire image towards a second sensor until said second sensor can detect a second side of said image; and
shifting said single entire image to said initial position.